

The Co-op Spirit

People Helping People with Personal Technology • September/October 1991

Membership Directory 1991

KidsNet

Apple

and IBM

Outline

Technology

Initiatives

for the

1990s

Press

Release

& Online

News

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Editor's notes

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THE CO-OP SPIRIT is the monthly newsletter of TechAlliance, a non-profit computer cooperative committed to providing members with resources that increase the understanding and enjoyment of personal computers. The co-op provides members with user groups for the Amiga, Apple // Family, Macintosh, and MS-DOS machines. Both beginning and advanced assistance are provided at our various Special Interest Group Meetings. The Kent, Washington office is presently being set up as a resource center for our local members. Members can peruse the software and book library. This newsletter is our official organ and is sent to every member. It consists mostly of contributions from the membership which include industry news, machine-specific articles, and other items of interest.

MEMBERSHIPS: TechAlliance Memberships may be obtained by filling out the form on the back cover of this newsletter and mailing it, along with your dues, to TechAlliance. Annual Membership dues are \$25.00 per year; \$35 per year outside the U.S.

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SUBMISSION DEADLINES: The deadline for articles, news, and meeting announcements will be the 1st of the prior month. All articles to be submitted on either a 3 1/2" or 5 1/4" disk in ASCII format with a hardcopy included, or articles may also be uploaded in ASCII format to the TechAlliance BBS with a hardcopy submitted by mail. Be sure to indicate on what type of machine the disk was formatted. TechAlliance reserves the right to review, edit, delete or accept articles at its discretion.

MEETING SCHEDULE: Please see last pages of newsletter for meeting schedules and times.

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Members,

Thanks for opening the Co-op Spirit and taking the time to read on. This is my first attempt at putting together a newsletter in a long time. This is a kind of journey for me personally and for your club in beginning to turn the corner on growth and stature.

A few words about the contents of this issue. The main theme is the membership directory and consultants list. This consists of members who through renewals have granted us permission to publish their names or who have volunteered to share their knowledge with others. This is about twenty percent of the active membership, and we plan to republish the directory as the need /response is warrants. The other contents are from press releases and downloads from bulletin boards. We would love to publish your articles, letters, and comments. **SEND THEM IN.** please!

The TechAlliance has a rather unique status and history as an organization and is positioned to offer services as the world of computing continues to evolve. The Apple/IBM announcement opens the promise of many changes in the competitive level of ever increasing performance at lower prices. Because of our diversity of members machine type and interests we can understand and evaluate these changes. Lets search for a format to do this evaluation.

The Co-op Spirit has a future.

A thanks to the people who made it possible and started this publication, particularly Sharon Farquhar and Shirley Reinhardt who followed through with the motto "Just Do It".

It is my goal to improve the publication each issue. You can help by your involvement. Lets "Do It" together.

The following message was taken from Internet on Milton at the University of Washington.

Date: Thu, 13 Jun 1991 14:48:56 +0200

From: Odd de Presno
<opresno@ulrik.uio.NO>

Subj: KIDS-92 Newsletter

The KIDS-92 Newsletter
A Global Dialog for Children
10-15 Years, Issue number 1,
Jun 10 1991.

In This Issue

1. Some new responses
2. Looking back at KIDS-91
3. The May 12th Celebration
4. KIDS-92
5. How to participate

SOME NEW RESPONSES

From Tallin (Estonia):

1. I'm a 14 years old Estonian boy. I go to English-biased school & I'm an eighth grader. I'm very fond of travelling I've been once to U.S.A in November 1990.
2. There's no big question what do I wanna be when I grow up. A computer scientist of course. The only question is: Where can I learn to be one? Course in our country there are no good institutes for that.

Maybe in the future there'll be some... but who knows what'll happen in the future. The things may go even worse although I doubt that.

3. I would really like if there would be no wars in the future. Course wars are always terribly expensive and many innocent people are killed. I'm also worried about air pollution. When I think of it I'm quite afraid of the future and these people whose fault it is, they just don't care! Right now I'm talking about Estonia but I think that things are not too different in other countries. Many bad things caused by air pollution are already happening, acid rains for example.
4. I am afraid I can't do anything for it. The only thing I can do now is: not to get the other people's nerves. - Lauri.

From Moinesti (Roumania):

1. My name is Oana Pintelei., I am a Pupil in the sixth form.
2. I want to be a lawyer, when I grow up.
3. I want to help the poor, the needy. I want to solve their problems.

4. I must learn to defend my country's laws and believe in God.

From Puerto Rico:

1. My name is Gilberto Nieves Ruiz. I am 14 years old. Some are that when I grow up to have a good job, a good and big house so it would be comfortable with a good wife of heart and kids. A girl and a boy and that also be good of heart but not dumb. Some of my hobbies are baseball, reading, writing, watch good TV programs and talk with other people. I would like that other people know how I really am, about my character and attitude.
2. When I grow up I would like to work with the State in a job like a bank, and sometimes I would like to be an engineer or computer engineer. In terms of education I would like to learn many languages and cultures of other places. I would like to be a person that doesn't have to have a problem that later will take away the interest because of this problem.
3. I would like when I grow up a cleaner environment without evil, nor weapons in the

world. Without Industries, cars contaminating the environment. It would be better to use bikes, or horses.

4. What I can do so this could happen now I would tell the others and help so cars would be in good operating conditions and help protest against Industries no to burns things, make things reusable, no to make waste that they can not get rid of. Stay in school, study, pay attention. In this world the people that are born now will not live over 50 years old due to the environment conditions which are worse with every passing day.

From Vrieschelo (Netherlands):

1. My name is Marcel Mesken and I am 15 years old. I like swimming, ice skating and sailing. I've got a dog called Sindy, she's very sweet.
2. I want to be a F-16 pilot when I am old enough, because I like flying. I've flown in a glider that's very excited and beautiful. I love flying, because, you can see everything from above and it goes with a F-16 very fast, much faster than by car.

3. There mustn't be so much cars in the world. There must be more water, wind and sun energy, people must all so be careful with our environment and our animals. Big factories mustn't blow out so much poisoned smoke.
4. I must use less gas, electricity and oil. All garbage must be separated (paper, plastics, glass). I can make less garbage. Naturally everybody must help, because other ways it will not help. SO EVERYBODY HELP!!!!!!!!!!

Looking back at KIDS-91

On May 12th KIDS-91 ended. The project lasted for one year and had 2600 participating children 10 - 15 years of age. They came from 31 countries around the world.

All participants submitted responses to the four KIDS-91 questions, and most of these are now available in our global data base. Many children and classes submitted contributions to the Creative Challenge. They sent drawings, paintings, water color, collages, calligraphy, computer graphics, musical compositions, videos, and animation. An international jury selected the following three individual

winners of the Creative Challenge Competition:

1. Lukas Souenka, Czechoslovakia, collage
2. Janis Petraskevics, Latvia, composition for flute and piano written for KIDS-91 ("The Silent Song").
3. Two winners:
 - anonymous from Liepaja, Latvia (water colours),
 - John Lavta, Czechoslovakia, drawing.

Among the group contributions the following winners were selected:

- an animation of the KIDS-91 logo from Seabury Hall HS, Maui, Hawaii,
- the calligraphic art contributions from Kawaguchi Saitama, Japan

During the year a large number of children participated in the KIDCAFE discussions. Italian children were writing in German to German children. Canadian kids were writing in French to others with an interest in this language. Argentinian and Puerto Rican children did it in Spanish. Most the kids, however, used English as their language of communication.

The May 12th Celebration

The discussions in KIDPLAN leading up to May 12th was hectic. Detailed plans for the global ceremony was developed and discussed by a task force with more than 70 active participants from all over the world. We learned about global 'complexities' like Greenwich Mean Time (GMT), incompatible disk formats, PAL vs. NTSC, videoconferencing vs. TV-conferencing, videophone technologies, and much more.

The children participated in global 'chats' (interactive keyboard-to-keyboard dialog) on Internet, BITNET, Cleveland Free-Net, TWICS, Tymnet, and CompuServe. They dialed in from Norway, USA, Australia, Canada, Japan, New Zealand, Finland, Czechoslovakia, Denmark, Germany, England, and Ireland. A 4-hour multi-point videoconference took place between children in Toronto (Canada), Washington DC (USA), Helsinki (Finland), London (England), Glasgow (Scotland), and Arendal (Norway). Videophones were also used. This technology allowed for the transmission of both voice and low-resolution black/white pictures between the participants. Exchanges took place between Arendal (Norway) and Knoxville, Maui, New

York, Santa Monica, Toronto, and Washington DC in the U.S. Finally, many fax messages and drawings were sent between the participating sites. It was a lot of fun!

KIDS-92

KIDS-92 is a grassroots project aiming at getting as many children in the age group 10 -15 as possible involved in a GLOBAL dialog. The project will continue until May 18th 1992. In its simplest form, the dialog will be an exchange of personal presentations and views on the desired future of this world. The means of communication may be ordinary mail, fax, video conferencing, hamradio, or whatever. We hope that your children be allowed to participate more fully, so that they can join the other kids in the ongoing global discussion using electronic mail.

THE FIRST STEP: The Personal Presentation

Meetings between people usually start by the participants introducing themselves. The same is required by children participating in KIDCAFE and KIDS-ACT, which are 'where' the children meet to talk using electronic mail or other forms of electronic communication. We want each kid to introduce

himself/herself by answering the following four questions:

- 1) Who am I?
- 2) What do I want to be when I grow up?
- 3) How do I want the world to be better when I grow up?
- 4) What can I do now to make this happen?

THE SECOND STEP: The Discussion

The dialog takes place day and night on different conferencing systems, BBS systems, computer networks, and through individual electronic mailboxes. KIDS-92 is not a file area on a computer's hard disk. It's a process. To enable communication between people across borders in our 'global village', we administer several 'discussion lists' on a computer in North Dakota, USA. A discussion list is simply an address list for electronic mail. A message sent to the list called KIDCAFE, will automatically be forwarded to all the addresses on this mailing list. Through these lists a vivid discussion can take place using ordinary electronic mail. Each message sent to the lists is redistributed to a large number of mailboxes (and conference systems) world-wide. We currently have the following discussion lists:

RESPONSE is where the children send their responses to the four questions. This is the **only** purpose of this list. When this is done, we invite them to send messages to KIDCAFE and KIDS-ACT.

KIDCAFE is for kids aged 10 - 15. Here, they can talk about whatever they like, find new friends in other countries, discuss the future, school, hobbies, environment, or whatever. Only those at the correct age can write messages to KIDCAFE, and they need to send their personal introductions to RESPONSE before starting.

KIDS-ACT is for kids aged 10 - 15. Here, they can talk about what **THEY** can do **NOW** to achieve their future visions. The rules for participation is as for KIDCAFE.

KIDS-92 is for teachers, coordinators, parents, social workers, and others interested in KIDS-92. This is where we post information about important developments, exchange experiences, report media coverage, news, etc.

KIDS-91 is where KIDS-91 is currently being reviewed. Later this year, KIDS-91 will be closed and turned into a read-only history database. The archives of KIDS-91 contains interesting information for teachers and others.

KIDPLAN is for those who want to participate in the planning of the project.

Subscriptions to all lists are free for everybody.

The KIDS-92 celebration is planned to take place on May 18-19, 1992. During those days, the children will be invited to "chat" with each other in a global electronic dialog, and to participate in other technological experiments.

HOW TO PARTICIPATE IN KIDS-92

You can choose to participate in KIDS-92 with "your" children in many ways:

Level 1: Ordinary Mail!

Level 2: One-Way
Electronic Mail

Level 3: Online -
Participative

Level 4: Online - Full
Interactive
Communications

Level 5: Online - Interactive
and Planning.

Level 1: Send By Ordinary Mail!

Have the kids respond to the four questions. Note: Each response should contain the child's **FULL** name, age and

city/place (as the last phrase of the response)! Save the responses on computer diskettes (MS-DOS 5.25" or 3.5" or Macintosh) as ordinary DOS or ASCII text files (text written with WordPerfect is also acceptable). Write the text with left margin 0 and right margin 60 to make it easy for the organizers to send it to the global data base. On the top of the file, write the teacher(s) names, the class name, the school name and mailing address. Add your electronic return address, if you have one. We strongly urge you to send the responses in electronic form! This is the only way that we can be sure that we enter the student's names correctly. This is also the only way that we can guarantee that their responses will end up in the global data base.

Mail the diskette(s) to:
KIDS-92, 4815 Saltrod,
Norway (Europe)

Or, send by telefax to
phone number:
+47 41 27111

If you are sending handwritten responses, please write the names clearly using Latin block letters.

Level 2: Online - One-Way Electronic Mail

You need access to a computer, a modem, a communication

program, and an electronic mailbox for international electronic mail. If this sounds mysterious to you, start by reading a book on communication. How you get access to electronic mail varies by country. The easiest way may be to contact a local University or Research Organization and ask if they could let you have a mail-box for KIDS-92. If this doesn't get you anywhere, try to find a BBS (Bulletin Board System) connected to FidoNet. These systems generally give everybody cheap access to global electronic mail.

Prepare responses to the four questions, and send them as electronic mail to one of the following electronic addresses:

Internet:
RESPONSE@VM1.NODAK.EDU

BITNET:
RESPONSE@NDSUVM1

UUCP:
vm1.nodak.edu!response

CompuServe: >INTERNET:
response@vm1.nodak.edu

MCI Mail: At TO, type
RESPONSE and the word
EMS in parentheses. At
EMS: type INTERNET. At
MBX, write:
RESPONSE@VM1.NODAK.EDU

AppleLink: RESPONSE@
VM1.NODAK.EDU@INTERNET#

SprintMail:
("RFC-822":
<response(a)vm1.nodak.edu>,
SITE:INTERNET)

FidoNet: Send to user
UUCP at 1:105/42. The first
line of text in the body of
the message would be

To:
response@vm1.nodak.edu
The next line should be
blank.

AT&T Mail:
internet!ndsuvvm1.bitnet!response

X.400:
(C:USA;Telemail,P:Internet,"RFC-
822":<response(a)vm1.nodak.edu>)

If you have access to one of the
networks above but fail to send
to RESPONSE, try

opresno@ulrik.uio.no

or

ulrik.uio.no!opresno

If you are not connected to any
of these networks, then you can
upload the file to the following
Bulletin Board in Norway c/o
Sysop. 8 bits, N parity, 1 stop
bit. 300-9600 bps (CCITT).
Phone: +47 41 31378. DASnet
is an alternative on many
electronic mailbox systems that
are not yet connected to the
global matrix of electronic
networks. For example, you can
use DASnet to send from nets

like ABA/net, BIX, CIGnet,
Connect, Dialcom, EasyLink,
Envoy 100, GeoNet, INET,
MacNET, MercanMail, Tele-
communications Ltd, News-
Net, NWI, OnTyme, PINET,
The Portal System, Glasnet,
PsychNet, and many more.

If your network has a link to
DASnet, send to

[DEZNDP]opresno

Level 3: Online - Participative

You can "subscribe" directly to
the mailing list through Internet
and associated networks. The
alternative is to use participating
mailbox/conferencing systems.
For direct subscription, join the
desired discussion list by
sending mail to:

LISTSERV@vm1.NoDak.EDU

with the following command in
the TEXT of your message:

SUB KIDS-92 Your-first-
name Your-last-name

Replace 'KIDS-92' above with
the list in question (for example,

with KIDPLAN, RESPONSE,
KIDCAFE, KIDS-ACT).

Through participating systems:

Locate a suitable, fully partici-
pating networking system, and
access the 'local' KIDS-92 area.

Here are some alternatives:

- Bergen By Byte BBS in Norway (under the "kids" conferencing umbrella)
- Colnet, Argentina
- IRIS, USA
- KIDS-91 at Western Michigan University Computer Center, USA.
- Pandora, San Fransisco, USA.
- SciNet (Canada and USA)
- SkoleKomm, Denmark
- The KIDS-91 FidoNet gate in Australia
- TWICS (Tokyo), send through Internet mail

Download other childrens' responses and use them in your classes.

Motivate your kids to upload their responses individually.

The systems above are participating in full scale. Other systems are participating in a more limited way. Write us to find out if some of your home systems are involved.

Level 4: Online - Full Interactive and Communications

Read and respond to all KIDS-92 topics online. Read and enter responses to the four questions

directly. Send private electronic mail to other participants - form 'keypals' relationships with new friends. Let the students participate in regular online 'chats' with other children. For example, through KIDCAFE or KIDS-ACT. Encourage them to explore the world with the new tools, and to use KIDS-ACT for more serious talk. Regularly print out messages from RESPONSE, KIDCAFE, and KIDS-ACT. Post the printout on the wall, publish it in daily newspapers, or make it available for all participants in other ways. Use the information in geography, environmental studies, history, and other classes.

Level 5: Online - Interactive and Planning

Join KIDPLAN and become a member of the KIDS-92 staff of volunteers. Join by sending a message to:

listserv@vm1.nodak.edu

with the following command in the TEXT of your message:

SUB KIDPLAN Your-first-name Your-last-name

The Creative Challenge

We want the children to 'draw themselves as adults in their desired future world'. Challenge them to use more creative ways

of doing this. During KIDS-91 we received musical compositions, video films, computer animation, paintings, water colors, printouts from graphical computer programs, calligraphical art, and more. Remember to have the students write their name, age, place/school CLEARLY on their contribution (front or back). Please write name in CAPITAL latin characters. If the contribution is chosen to be exhibited, the audience should be able to read the name of the artist! Tell them that there is a competition going on for chosing the most innovative creators. Mail the Creative Contributions to:

KIDS-92,
4815 Saltrod, Norway.

After May 19 1992, all contributions will be shipped back to the children of the world for them to see and enjoy. The distribution of the final exhibitions will be coordinated through the global KIDS-92 discussion list.

FOR MORE INFORMATION

about KIDS-92 or if you want to help out or participate, contact

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Following is a verbatim transcript of the Apple/IBM press release of July 3.

Apple and IBM Outline Technology Initiatives for the 1990s

SAN JOSE, California—July 3, 1991—Apple Computer, Inc. and IBM will work to create powerful new open system software platforms for the 1990's, according to a letter of intent signed today by both companies. The companies will develop and market new technologies which both Apple and IBM will integrate into existing and future products, as well as offer for use on other vendors' computers.

The letter of intent covers four areas of general understanding:

1.) Joint venture for object-oriented software.

Apple and IBM intend to create a new open system software platform that will be based on object-oriented technology. The new platform will offer major new user and system functionality, while greatly simplifying the process of application programming. It will span a wide range of computing platforms, including Intel's x86, Motorola's 680X0, and IBM's RISC System/5000 POWER® architecture. Apple and IBM intend to use object-oriented technology in future product offerings, as well as in current operating systems, assuring that applications written for current operating systems, including AIX®, OS/2® and Macintosh®, will run in these new environments.

In order to implement this plan, Apple and IBM will form a new system software company to be jointly owned and independently managed. The software will be offered for sale for both IBM and Apple® computers. Additionally, it will be marketed widely by the new company for use on other vendors' systems.

2.) Apple Macintosh computer integration into IBM's enterprise systems.

IBM and Apple plan to work together to further integrate Macintosh into the client/server enterprise environment in two ways. First, Apple and IBM will develop, market, and support networking and communications products that will further extend the ability of the Apple Macintosh computer to operate in the IBM enterprise environment. Second, IBM and Apple will develop and market an enhanced AIX (IBM's industry-standard UNIX® operating system) that combines the best of IBM's open systems with Macintosh and its thousands of user-oriented productivity applications. The enhanced AIX will span the range from desktop workstations to servers, and will offer Macintosh and OSF/Motif® user interfaces.

3.) Significant new markets for the IBM POWER RISC architecture.

Apple intends to adopt future single-chip implementations of IBM's RS/6000 POWER architecture—Called POWER PC—in future Apple Macintosh personal computers. Both companies will use their expertise to design and manufacture a new family of world-class POWER PC chips. Motorola will serve as a source to IBM, Apple and other open systems vendors. Motorola intends to market the POWER PC microprocessors in configurations that will target a broad spectrum of systems.

4.) Common multimedia platforms for the industry.

IBM and Apple plan to work together to create and license platform-independent software environments that will stimulate widespread industry development of this new technology. New multimedia technology resulting from this effort also will be made available for use on other vendor's products.

Implementation of the letter of intent is contingent on the execution of definitive contracts. The companies intend to complete the contracts later this year and will release further details only at that time. Products resulting from these agreements are expected to reach the marketplace over the next two to three years.

Analysis

Has Apple gone over to the dark side? The alliance between IBM and Apple raises this and many other more answerable questions. Lets look at what each has to gain by this agreement. Apple gets a hardware performance that follows the industry tend toward the RISC architecture and product line compatibility with the largest computer maker in the world. The processor technology Apple has based its current product line on for many years is reaching its limits in performance. This gives Apple a chance at a competitive future.

IBM gets an interface through the software technology of the Mac GUI and the ability to extend this to the growth segment (Workstations) of its product line. This gives IBM something it has not been successful in fulfilling by itself or with its former alliance partner Microsoft. How things change! Frankly this could be a win win for both companies.

How should this effect us the user of these products? It should be good because Apple's low cost strategy will expand the market faster than each could do alone. This will help us who want to continue to upgrade the performance of our software. For those Mac owners who are now completely happy, we can look at the IIGS history. It will point the way because the current Macs and PCs will be the Apple IIs of the mid nineties. Although many IIGS zealots wish Apple would do more with the line their continual upgrading of the OS does show a commitment to the customer matched by few companies. Comments? Ed.

Apple IIgs News from TechAlliance BBs

System 6.0 was demonstrated at the KansasFest but will not be available until this fall. It includes the following:

- Read/Write FST
- Read only DOS 3.3 FST
- Read only Pascal FST
- Super fast, totally rewritten Finder
- Teach (application) that imports AppleWorks, AppleWorks GS, and MacWrite files.
- Archiver (application) is a powerful backup program for hard drives or floppies.
- More resources, rIcon, rComment, and rBundle (a new resource format that lets the Finder know which icons go with which Applications/documents and what documents go with which applications.
- A "Windows" menu that allows you to select windows that are hidden under other windows.
- The "About.." item now displays a modeless dialog with memory counts (Finder, NDAs, free, max block) that is updated every 15 seconds.
- The title of a window can be clicked on and a list of folders drops down so you can select directories previous to it.
- Option-clicking in the close box of a window closes all windows (just like the Mac Finder).
- Option-clicking open a folder closes the window you clicked in after opening the new folder.
- Modification date in a window when files are displayed in list format.
- The info bar now expands to double-height when files are displayed in list format, so that you can still see the disk memory use display.
- It also displays sizes in megabytes when they are more than 999K.
- Folders can now (legally) be placed on the desktop.
- Lots of generalized speed-ups in GS/OS.
- Rewritten console driver
- Many new tool calls and updates.
- SysBeeb2 call allows the user to specify a sound file to be played for a specific action (should be real fun!)
- One disk FULL of fonts up to 96 point.
- Driver for Apple Flatbed scanner.
- Driver for Apple Tape Drive.
- New, much more intelligent Installer program.
- System 6.0 will ship on FIVE disks:
 - (1) Installer (auto update your system)
 - (2,3) System Software
 - (4) Font disk
 - (5) Boot disk configured for 800k drives.

Sysops

There's a publication out for Sysops, and YOU can get a FREE copy!

II Sysops will be the place to find out about what's happening in the Apple II modeming community. Instead of you calling bulletin boards all across the country and scavenging through endless messages, let us do it. We'll put everything together bringing you the most relevant, interesting information. II Sysops will contain feature stories, sysop tips and techniques, programming help, product reviews, news, and more.

Interested? We hope so! Send us your mailing address now to get the premiere issue free! (First issue will be mailed in June.) Here's how you can reach us:

II Sysops

c/o Doug Granzow
P.O. Box 720
Eldersburg, MD 21784

Mac

IT Makers is pleased to announce two exciting products.

"Marksman™", programmer's design tool, (all the features of Prototyper™, PLUS more).

The first product, shipping now, is a programmer's design and code generation tool.

Design your program graphically and use the powerful built-in simulator to see if the program looks and acts like you want. Change your design quickly and easily, and without having to generate the code and compile it.

No program is ever complete, you are always chasing a moving target with new enhancements and new features for your program design. Someone wants you to add a new feature for the next release. Someone else wants you to give him an option to do something where you forced a certain setting before.

Marksman is designed for ongoing changes in your program design. The code regeneration ability is so powerful that you can add dialogs, controls, menus, or whatever and still generate code that will not cause all your work to have to be redone.

Pricing specials until Nov 1, 1991.

Trade up for Prototyper™ users of any version (V1.0, V2.0, V2.1, or V3.0) (send in manual cover, master disk, or other proof of legal ownership) \$25.

Trade up for AppMaker™ users (send in proof of legal ownership) \$80.

Introduction special price \$125.

Retail price \$195.

Hardware Requirements:
Macintosh Computer 1Mb minimum, 2Mb preferred.

System 6.0.4 or newer

CD ROM News

Sony Integrates CD player and laserdisk for your computer.

The Sony MDP-1100
Lasermaster includes:

- Playback with digital audio of 12" and 8" videodiscs, 5" CDV disks and 5" and 3" audio CDs.

- RS-232 connection for computer control of all videodiscs, audio CDs, and videodisc compatible software.
- Standard video, audio, and RF output for easy connection to your TV or monitor, stereo, and computer.
- Bar code compatibility. (optional remote control.)

The suggested retail price is \$795. Further information available form:

The Voyager Company
1351 Pacific Coast Highway
Santa Monica, CA 90401
800-446-2001

"Illustrated Civil War" CD-ROM

A product, shipping now, is a CD-ROM for the Macintosh title "The illustrated Civil War". Over 700 grayscale illustrations captured on CD-ROM and presented with digitized sounds and accompanying text descriptions.

This is an illustrated history of the U.S. Civil War and the illustrations come from a book published in 1895. The book has a very extensive set of illustrations that were made for a reporting service and newspaper while the war was going on. These illustrations were cap-

tured in the midst of battle and also focused on the camp life. Illustrators traveled with the troops and kept themselves busy between battles by making very detailed illustrations.

Pricing specials 'until Nov 1, 1991.'

Introduction special price
\$89.95

Retail price \$99.95

Hardware Requirements:
Macintosh Computer w/
CDROM player, 2Mb mini-
mum, color or Grayscale
Monitor.

IT Makers

P.O. Box 730152
San Jose, CA 95173-0152
AppleLink: ITMAKERS
CompuServe: 71340,2713

CD ROM News, MacWorld

At the MacWorld Exposition in Boston, Wayzata Technology announced several products on CD-ROM. Each of these discs was indexed by TextWare™, a high speed database search and retrieval engine:

The Washington Times and Insight on the News CD-ROM brings you the power of From Page News™ with an editorial twist. Wayzata has captured both The Washington Times and Insight on the News on a single full text CD-ROM.

Insight on the News is a national news weekly magazine with in-depth coverage and analysis of current events. January 1990 to June 1991 is covered on this disc. With The Washington Times you obtain national news plus the inside track on political happenings. This disc covers June 1989 to June 1991.

The Washington Times and Insight on the News CD-ROM is available at a suggested list price of \$149. Updates are planned on a regular basis.

The Front Page News™ Plus Business CD-ROM provides World-wide news at your fingertips! This revolutionary research tool includes the full text of over 10 U.S. and international based wire services and news sources - over 200,000 news articles. The Front Page News™ Plus Business is available immediately with a suggested list price of \$149. This disc covers a full year. Updates are published quarterly.

Disc to the Future - Programmers' Reference is a collection of over 250 megabytes of source code and utilities for the Macintosh programmer. It includes 4.2 megabytes of System 7 examples. The CD-ROM is available immediately with a suggested list price of \$129.

MacTutor Magazine Volumes 1-6 are now available on CD-ROM..for \$249. MacTutor publishes software development programming aids in its monthly magazine. This disc contains all the information from each of the magazines from December 1984 to December 1990. The articles, editorials, source code, reviews, letters and Mouse Hole Bulletin Board Report are included. This disc includes the contents of "The Best of MacTutor Source Code CD-ROM" Disc. An upgrade is available directly from Wayzata Technology. The disc also contains a HyperCard stack which is a subject, author and title index of the MacTutor magazine articles. Free Bonus: Over 120 Megabytes of "Developer Essentials" published by Apple Computer.

The Civil War on CD-ROM was compiled by Quanta Press from public and private information and images. The historical nature of this database encompasses the ware of rebellion that tore apart the United States from 1860 to 1865. Additionally, homespun music of the Civil War era, played and sampled from period musical instruments by Bobby Horton, comprise the last 12 tracks of the CD-ROM disc. The Civil War CD-ROM is available immediately with a suggested list price of \$129.

North American Indians on CD-ROM was compiled by Quanta Press from public and private information and images. The historical nature of this database encompasses the lives and trying times of the indigenous North Americans. North American Indians is available at a suggested list price of \$129.

The GAIA environmental resource CD-ROM is oriented towards all who need graphics (clip-art) and reference materials dealing with ecology and nature subjects. The GAIA environmental resource CD-ROM is available immediately with a suggested list price of \$249.

EPS Professional is the disc you have been waiting for! It is ideal for desktop publishing; it has over 700 high-quality, fully resizeable Encapsulated Postscript images. The disc also has more than 100 decorative borders. All Wayzata photography and clip art CD-ROMS have unlimited reproduction rights. Use these images in international publications or even television and multimedia. FREE Bonus - 24 Bit (640x480) Screen Patterns (cracked mud, marble, etc.). EPS professional is available at a suggested retail price of \$299.

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MacTutor®
The Macintosh
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NAUTILUS CD ROM magazine for Mac soon for PC

NAUTILUS is a multimedia CD ROM based information service published every four weeks (at a cost of \$9.95 per disc for a twelve issue subscription). Each issue covers a wide variety of information and resources for the Macintosh user, including desk top publishing, multimedia, education, MIDI, entertainment, software demos, reviewed shareware and photography, and more. Subscribers can access general information about each topic, plus a wide variety of software provided on each new issue for their use, review and entertainment. Single issues are also available to non-subscribers at a price of \$19.95 per issue. Currently available for the Macintosh, a PC compatible version of NAUTILUS will be released in September of 1991. NAUTILUS is a service of

Metatec Corporation, a company dedicated to furthering information distribution through technology.

For additional information on NAUTILUS please contact:

Metatec Corporation
7001 Discovery Blvd.
Dublin, Ohio
(614)761-2000,
AppleLink: NAUTILUS

BOSTON, August 6, 1991

Aldus Corporation today announced Aldus® Gallery Effects,™ Volume 1: Classic Art. Gallery Effects is a collection of filters that create special artistic effects that can be applied to color, grayscale, and black-and-white bitmap images. The filters enable graphic artists and designers to transform scanned or original bitmap graphics into sophisticated, painting-like images automatically and consistently.

At MacWorld Expo today, Aldus introduced a major new release of Aldus SuperPaint®, its integrated painting, drawing, and image-enhancement program for the Apple Macintosh. New features in version 3.0 provide solutions for both black-and-white and color users with the addition of support for 1-, 8-, 16-, and 32-bit documents. This will offer photo-realistic tech-

nology to the SuperPaint user. "Customers working with 8-bit systems, for example, will be able to have quick access to nearly 16.8 million colors without requiring a 24-bit board," said Cindy Taylor, product marketing manager

Miscellaneous

From Computer Game to Real Life (almost)

WHERE IN THE WORLD IS CHARMEN SANDIEGO? is scheduled to premier Monday, September 30th on PBS stations nationwide. The series combines elements of the popular computer game with live actors, studio participants, music, animation and celebrity cameos in a colorful game show format. Consult your local PBS television listings for showtimes in your area.

Mac in a PC

Hydra Systems Inc. announces the delivery of its ANDOR ONE™ product, a PC add-in board with associated software that allows IBM PCs and compatibles to run Apple Macintosh® software. In light of the recent discussions between IBM and Apple, Hydra views its technology as a major step towards fulfilling the stated desires of both IBM and Apple

to allow their products to work together.

The ANDOR ONE is a hardware and software package which combines the two predominant microcomputer standards into a single machine. The ANDOR ONE works with all PCs ranging from XT's through 486s.. This revolutionary product is seen as an alternative to Microsoft Windows for many PC users who would like to upgrade their computer's capabilities. For further information contact Hydra Systems San Jose, California (408) 253-5800 fax at (408) 253-1113.

Scripts Invade Macintosh Desktop

UserLand opens AppleLink BBS to Distribute Scripts

PALO ALTO, Calif. — August 6, 1991 — As UserLand Software's Frontier enters its final stages of development, the reach of its system-level scripting and object database software has been dramatically extended to include the Macintosh desktop itself.

Scripts that live on the Finder desktop are called desktop scripts. UserLand has already implemented over 100 such scripts that do automated backups, customize searches of large hard disks and CD drives,

graphically present system information such as available disk space, and network management functions. Desktop scripts are small files, in most cases no larger than 5-10K. They can easily be downloaded from computer information services such as GENie, CompuServe, America Online and AppleLink. This is an important step in the commercialization of Frontier's powerful scripting and object database software because it allows a standard mechanism and format for users and script writers to share utilities developed with Frontier's.

Separately, UserLand Software has worked with Apple Computer over the last three months to establish a support bulletin board on AppleLink. With over 50,000 subscribers, AppleLink is nearly universal in the Macintosh development community and among users in large computing environments.

For more information:

UserLand Software
490 California Avenue
Palo Alto, CA 94306
(415)325-5700
FAX: 415.325.9829
AppleLink: USERLAND DTS

Membership Directory

This is the TechAlliance Membership Directory. It consists of those members who expressed a desire to have their names published when they submitted their renewal application. Only renewals taken between April and July of this year are included for this first listing. Depending on member preference we will be happy to publish follow-on listings e.g., semi-annually or annually... whatever your response indicates would be most suitable.

Most members gave permission to have both their address and phone number included in the directory. For those who did not, only a phone number or address is given. Computer interests are also included along with an indication as to whether a member has an inclination to use the TechAlliance BBS (noted as "Y", "N" or "U" for unknown). Oh yes, the directory is sorted. The sorting is by country (USA and Canada first), and then, in the case of the USA entries, further sorted by State and Zip code.

Of course, any errors, and there are surely to be a few with anything this complex, are regretted and we will be happy to post corrections in a forthcoming issue of the **Co-op Spirit**.

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TOHILL JR, H ARDEN (E)

Evenings & weekends
216-854-6157
Genie: A.TOHILL1

TUBBS, STEVE (E)

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USHIRODA, ATSUSHI (Japan)

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VAN HOOF, BERT (GMT+1)

9:00-18:00
032-03-444-6231

VANOVER, JANN (P)

vanover@atc.boeing.com

WEITZENHOFFER, ANDRE M (M)

719-539-2080

WICKER, JAMES E (C)

Days
817-738-3831999999

Ah yes, her she be. We are proud to present our TechAlliance Consulting Database. This is a compilation in two parts. The first listing assumes you are having a problem or are wanting to ask a question pertaining to a computer or specified operating system. . . so take a look at the first column of this listing. Here you will first see references to the Apple "II" (and II+/C/E), and then to the Apple IIGS followed by Mac, MSDos, Unix and other mainframe operating systems, the Amiga (with only one qualified consultant?), and finally the sticky topics of networking and just a bit on printers.

Next we are guessing you want some specific help/advice concerning either software or hardware related to the aforementioned computer or OS. So the second column in this listing provides what kind of expertise is available within our membership. . . for quite a wide variety of products. (Bear in mind that as of August, we only have been able to put together data based on members who have resubscribed since April of this year. We hope to improve in both depth and breadth by the time our next Database comes out. . . in say six months time.)

So now we come to the take home third column. Yes, here is where you find out the name of that certain someone who has graciously consented to be your point of contact. Now, if only you knew how to contact that someone. But then you do. since you already peeked at our second listing re: the Consultants Database which gives you what info we've been asked to provide for getting in touch with your friendly mentors. . . wherever they may be. Oh yes, those letters after some of the names refer to time zones, as in "P" for Pacific and "M" for Mountain time, etc.

PLATFORM	SPECIALTY	LEVEL	NAME
I	Appleworks	A	NG, CHEE AUN
II	Special Ed.; Adaptive Equipment	I	CHARLES W KELSO JR
II	General; All Around Questions	B/I	STEVEN C GOZDZIEWSKI
II	Working with disabled users	B/I	ELAINE HACKETT
II	DOS 3.3; Data Analysis via Applesoft	B/I/A	MR & MRS P R BELL
II	All Apple Info (Japanese Only)	A	ATSUSHI USHIRODA
II	Disabled Users	I	DANIEL & MARLA BURKE
II	Telecommunications, BBS, etc	I	R BLAKE FARENTHOLD
II		I/A	JON C GEISSINGER
II	AppleWorks	I	BRYAN HELZER
II+	6502 Assembly; Basic	I	JAMES E WICKER
II+	MX-82F/T	I	MAURER BERNARD
II+ IIC IIE		I	WILLIAM FEATHER
II+ IIE	Analog & Digital Interfacing	A	ROBERT A. CARY
IIC	Games	B	JANET GERMEAU
IIC	AppleWorks	B	JANET GERMEAU
IIC IIE	Time-Out/AppleWorks	A	PETE ROSS
IIE	LQ-850	I	MAURER BERNARD
IIE	Apple Graphics Tablet	I	MAURER BERNARD
IIE	Appleworks	B/I	BARRY SCHWARZ
IIE	Applesoft	B/I	BARRY SCHWARZ
IIE	Merlin Assembly	B/I	BARRY SCHWARZ
IIE	General	I/A	H ARDEN TOHILL JR
IIE	All	B	LARRY BECHDOL
IIE	AppleWriter; AppleWorks	B/I	ROBERT SHEA
IIE	ProTerm & A/E DataLink Modem	I	PETE ROSS
IIE	Spare Pieces		
IIGS	Prosel; AppleWorks; Beagle Time-out Series	B/I	LEE LIPPERT
IIGS	General	A	DONALD V. MCCLELLAND
IIGS	Disabled Users	I	DANIEL & MARLA BURKE
IIGS	Basic Machine Functions	B/I	GERALD DRAKE
IIGS	C and Pascal Programming	I	MICHAEL RAY
IIGS	DOS 3.3; Data Analysis via Applesoft	B/I/A	MR & MRS P R BELL
IIGS	General	I/A	H ARDEN TOHILL JR
IIGS	AppleWorks	B	
IIGS	Proterm, Appleworks, GSOS	I	MIKE BENCIK
IIGS		I	WILLIAM FEATHER
IIGS	Appleworks GS	A	DR. M. E. BANKS
IIGS	Publish It! HP Laserjet III	A	ALAN L. JANTE
IIGS	AppleWorks 3.0 File Conversion w/MSDos	A	ALAN L. JANTE
IIGS	ProTerm & A/E DataLink Modem	I	PETE ROSS
IIGS	ProSel-16		
IIGS	AppleWorks GS	I	PETE ROSS
IIGS		B/I	DARWIN LOUNSBURY
IIGS	Analog & Digital Interfacing	A	ROBERT A. CARY
IIGS	AppleWorks	I	BRYAN HELZER
IIGS	RamFast, SCSI Devices	I/A	JAY JONES
Mac	Hypercard	A	NORMAN BOURQUE
Mac	4th Dimension	I	NORMAN BOURQUE
Mac	Hypercard	A	DONALD KYLE
Mac	Oracle	A	DONALD KYLE
Mac	General/Numerical	A	THOMAS STARK
Mac	C Programming	A	LOUIS KING
Mac	Labview 2.0; Instrument Interfacing to the Mac	I/A	RICHARD KANNER
Mac	Meridian ADA (Under MPW)	A	JOHN T HUMPHRIES
Mac	Mac Common LISP	B	JOHN T HUMPHRIES
Mac	Think C	I	JOHN T HUMPHRIES
Mac	Think Pascal	I	JOHN T HUMPHRIES
Mac	MacOs	A	RONALD G BENOIT
Mac	Hypercard 2.1	A	RONALD G BENOIT
Mac	DAL/Pathworks	A	RONALD G BENOIT
Mac	EtherTalk and TCP/IP networks	A	RONALD G BENOIT

Consultants

Hopefully, the BBS info is self-explanatory for those who are acquainted with the electronic addresses listed. If not give us a call and we will try to provide additional assistance.

We are very excited about this approach to building up the Co-op Spirit. We trust once you have tried contacting a fellow member or two that you too will become convinced that it's far more enjoyable to share your experiences and travails with one who's been there before than to struggle through another poorly documented manual or to try to figure out just what those cryptic system errors are really trying to say. So, have at it. And please do give us a jingle if you are listed as a consultant and some of our data about you is incorrect. We will quickly publish corrections to any errors, omissions, or generally unacceptable riff-raff... and cheerfully make it right... honest.

PLATFORM	SPECIALTY	LEVEL	NAME
Mac		I	WILLIAM FEATHER
Mac	Video - Macintosh Interface	I	JOHN J GHIDONI, MD
Mac	Networking	I	JOHN J GHIDONI, MD
Mac		I	JOSEPH SIMKIN
Mac	Spinnaker Plus	A	HARRY HALLEZ
Mac	HyperCard	A	HARRY HALLEZ
Mac	Pascal (OOP); Omnix 5	I	HARRY HALLEZ
Mac	MS Word; Word Proc Pkgs	A	HARRY HALLEZ
Mac	4th Dimension	I	GERALD STERN
Mac	P.INK SQL	B	GERALD STERN
Mac	AutoCAD; System 6.0X; System 7.0	B/I/A	PAUL PIECUCH
Mac	Initis; CDevs; DA's	B/I/A	PAUL PIECUCH
Mac	Adobe Illustrator 3.0	B/I/A	TIMOTHY T. ORLING
Mac	PowerPaint	B/I/A	TIMOTHY T. ORLING
Mac	FreeHand	B/I/A	TIMOTHY T. ORLING
Mac	PageMaker	B/I/A	TIMOTHY T. ORLING
Mac	MacOS; Multimedia Applications	A	VICENTE ARAGON
Mac	Pascal Programming	A	VICENTE ARAGON
Mac	System; Networks		PRAMOD DAYA
Mac		I	DONALD V. MCCLELLAND
Mac	Working with disabled users	B/I	ELAINE HACKETT
Mac		I	SCOTT MCCUE
Mac	Telecommunications, BBS, etc	R	BLAKE FARENTHOLD
Mac	Small Business Programs & Word Processing	B	DONALD C COCHRAN
Mac	Double Helix	I	WALTER CURTIS
Mac		A	EVAN BERGMAN
Mac	C Language	B	PATRICK G SULLIVAN, MD
Mac	Pascal Language	B	PATRICK G SULLIVAN, MD
Mac	FileMaker	A	BRENT OLSEN
Mac	True-Form	B/I/A	BRENT OLSEN
Mac	Hardware	B/I/A	BRUCE DAWSON
Mac	LAN	B/I	BRUCE DAWSON
Mac	Excel 3.0	B/I	BRUCE DAWSON
Mac	General-Academic Applications	A	SCOTT L OLSEN
Mac	4th Dimension; Omnis; MPW	A	OYVIND MOE
Mac	Desktop Publishing Software	I	NG, CHEE AUN
Mac	Aldus Products	I/A	RICK GORDON
Mac	General Programming; System 7	I/A	RICK GORDON
Mac		I	DANIEL J. ELLSWORTH
Mac	C (Think C 4.0)	B/I/A	MICHAEL D SAMMER
Mac	HyperCard	B/I/A	ARTHUR V. DIELI
Mac	Authorware Professional		BRETT BIXLER
Mac	Computer Graphics, Virtual Reality	A	ANTHONY ASCH
Mac	MacroMind Director	I	FRANK DISTEFANO
Mac	Hard Disk Subsystems	I	RAY LYN
Mac	Think C; Hypercard (Building XCMDs & XFCNs)	A	BERT VAN HOOF
Mac	MPW; C; C++	I	J. KARL ARMSTRONG
Mac	Think C	A	J. KARL ARMSTRONG
Mac+ SE/30	Word; Excel; Draw	A	JAMES P HAUCK
Mac SE	Excel; FileMaker Pro; Word	B/I	THOMAS LOOMIS
Mac II	Image Analysis Software; Networking to Unix	B/I	TOM LEWELLEN
Mac II	Have been using for 3 years	I	JOHN S. KUNDRAT
Mac II	Think Pascal	B	SCOTT H. BROWN
Mac II	AppMaker	B	SCOTT H. BROWN
Mac II	ResEdit	B	SCOTT H. BROWN
Mac II	Word; Excel; Draw	A	JAMES P HAUCK
Mac IICI		I	TOSHINORI FURUKAWA
Mac Cx/Ci/Fx	Excel; FileMaker Pro; Word	B/I	THOMAS LOOMIS
MacIISI	PageMaker Version 4	A	ALAN L. JANTE
MacIISI	Microsoft Works File Conversion 2/AppleWorks	A	ALAN L. JANTE

PLATFORM	SPECIALTY	LEVEL	NAME
MSDos	DBase III+	B/I	CHRISTOPHER JACK
MSDos	Hard/Floppy Disk Installation	B/I	ROBERT K CALDWELL
MSDos	WordPerfect 5.0 - 5.1	B	ROBERT K CALDWELL
MSDos	Logicat (Disk Cataloging Program)	B	ROBERT K CALDWELL
MSDos	Misc Cables & Connectors	B	ROBERT K CALDWELL
MSDos	Working with disabled users	B/I	ELAINE HACKETT
MSDos		I	SCOTT MCCUE
MSDos	Turbo C	I	BERT VAN HOOF
MSDos	Norton Utils	B/I	THOMAS LOOMIS
MSDos	486; 386; 286; 8086	B/I/A	COMPUTER EXCHANGE NW
MSDos	dBase III, Clipper	A	MICHAEL RAY
MSDos	Analog & Digital Interfacing	A	ROBERT A. CARY
MSDos		I	JON C GEISSINGER
MSDos		A	EVAN BERGMAN
MSDos	8086/88 80286 Self-Repair of Hardware	A	JAMES FREY
MSDos	Pharmacy Software	A	JAMES FREY
MSDos	Windows; Excel	I	MARK THORN
MSDos	Generic CADD; Desktop Pub.	I	MARK THORN
MSDos	Lotus 123	I	MARK THORN
MSDos	Lan-Novell	I	MARK THORN
MSDos	Computer Graphics, Virtual Reality	A	ANTHONY ASCH
MSDos	Hard Disk Subsystems	I	RAY LYN
MSDos	dBase IV	A	KENNETH CHAN
MSDos	WordPerfect 5.0	A	KENNETH CHAN
MSDos	WordPerfect	A	XAVIER COMHAIRE
MSDos	Lotus 1-2-3	A	XAVIER COMHAIRE
MSDos	dBase III+	A	XAVIER COMHAIRE
MSDos	C (Borland)	B	C R MAC DONALD
MSDos	Lotus/RBase/Paradox	B	
MSDos	Turbo Pascal	I	JAMES E WICKER
MSDos	GW Basic; QuickBasic		ANDRE M WEITZENHOFFER
MSDos	Minimal Hardware; Some DOS; Word	B	JAMES P HAUCK
MSDos	PC-Transporter	I/A	BRYAN HELZER
MSDos	Unix/Xenix	I	STEPHEN J. DI NINO
Wndws		I	EVAN BERGMAN
Wndws	General Programming; PageMaker	I/A	RICK GORDON
OS/2	Programming; PageMaker	I/A	RICK GORDON
Unix	Sun 4	A	VICENTE ARAGON
Unix		B	SCOTT MCCUE
Unix	Computer Graphics, Virtual Reality	A	ANTHONY ASCH
Unix		B/I	JAMES K BOND
Unix/Sun	Typesetting, colorart		
VAX		A	DANIEL J. ELLSWORTH
VAX/VMS		I	SCOTT MCCUE
MVS & VM	DB2; COBOL; PL/I	A	GERALD STERN
MVS	SAS	A	MICHAEL RAY
Mainframes	Oracle	A	DONALD KYLE
Amiga 1000	AmigaDos 1.2 & 1.3; SuperBasePro	B/I	THOMAS LOOMIS
HP	HP 48SX and other hand held computers	A	AARON BOONSHOFT
Networking	TCP/IP; DECNET; AppleTalk	A	VICENTE ARAGON
Networking	Routers; Bridges	A	VICENTE ARAGON
Networking	File transfers from one machine to another	B/I/A	THOMAS LOOMIS
Networking	Dos-Mac-IIGS, File Transferring	B/I	CHRISTOPHER JACK
Networking	Mac-Vax	I	DONALD KYLE
Novell	286 SFT & V3.1	B	JON C GEISSINGER
PostScript	Printing, downloading, color printing	A	LOUIS KING
LaserJet II		A	XAVIER COMHAIRE

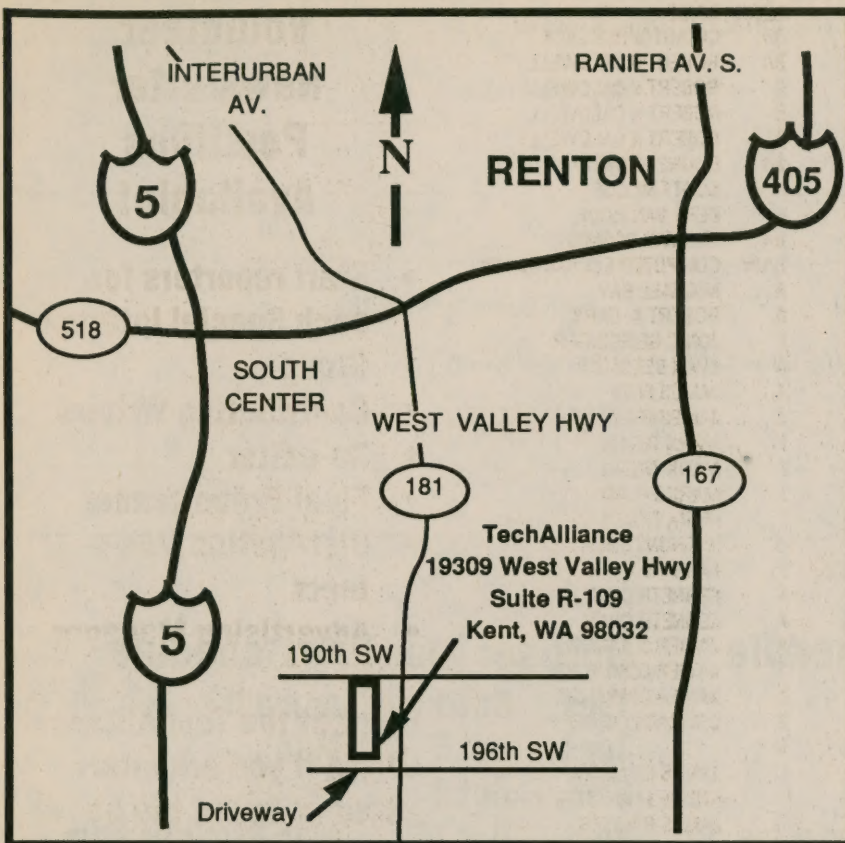
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Contact the TechAlliance Office if you are interested in any of the above volunteer positions.

Being a volunteer for your club is a fun and rewarding experience!

Meeting Info



TechAlliance 
... a computer cooperative

Important Numbers

Office: 206. 251.5222
BBS: 206.251.0543
206.251.6784 (9600 Baud)
FAX: 206.251.6190

Office Hours:

9:30-3pm

Meeting Location:

19309 W. Valley Hwy
Suite R109
Kent, WA 98032

MS-DOS SIG Meeting: September

If all goes as planned Dennis Yadon has offered to give some demonstrations on his MIDI System. It should be a very entertaining evening.

Also, we will be coming back from Summer Vacation so I would like to welcome all of you to our meeting. As usual Bob Caldwell will have the MS-DOS Shareware/Public Domain library at the meeting and we have a few important issues to discuss. So see you at the meeting.

TechAlliance Application for Membership or Renewal

Yes! Sign me up for one year's membership in **TechAlliance** for \$25.
(International memberships are \$35.)

Name	Daytime Phone	
Address	Home Phone	
City	State	Zip
☐ New Membership	☐ Renewal	☐ I will be using the BBS
☐ Check Enclosed	☐ Charge my bank card (VISA or MasterCard)	
Card Number	Expiration Date	
Signature		

September Meeting Schedule

Tues, Sept. 3	Apple II
Tues, Sept 10	Mac
Wed, Sept 11	Amiga
Wed, Sept 18	Mac Programmers
Tues, Sept 24	MS DOS

October Meeting Schedule

Tues, Oct 1	Apple II
Tues, Oct 8	Mac
Wed, Oct 9	Amiga
Wed, Oct 16	Mac Programmers
Tues, Oct 22	MS DOS — Halloween Special!

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